## REMARKS

In the Office Action dated March 2, 2009, Claims 1, 2, 4, 8, 9, and 11-22 were objected to because of certain informalities. Claims 1, 2, 4, 8, 9, and 11-22 were rejected under 35 U.S.C. §112. and claims 1, 2, 4, 8, 9, 11, 12, 15-20, and 22 were rejected under 35 U.S.C. §103. Applicants have amended claims 1, 2, 4, 8, 9, 12, 20, and 22 and canceled claims 11 and 16. Therefore, claims 1, 2, 4, 8, 9, 12-15, and 17-22 are pending.

With respect to the objections and rejections, Applicants respectfully request the reconsideration and withdrawal of such objection and rejections based on the foregoing amendments and the following remarks.

### Claim Objections

Claim 1, 2, 4, 8, 9, and 22 are objected to for containing certain informalities and claims 9 and 11-21 depend from claim 8 and are objected to for depending from an objected claim. Applicants have amended each of the appropriate claims, claims 1, 2, 4, 8, 9, and 22 as suggested in the office action. Accordingly, Applicants request withdrawal of the claim objections to the amended claims 1, 2, 4, 8, 9, and 22 and the claims 9 and 12-21 that depend therefrom.

### 35 U.S.C. §112 Rejection

**Claims 1, 2, 4, 8, 9, and 11-22**

Claims 1, 2, 4, 8, 9, and 11-22 stand rejected under 35 U.S.C. §112, first paragraph, as being indefinite for allegedly failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

Claim 1 is rendered indefinite because there is no system component recited in the claim to perform the generating step. Claim 1 is presently amended to recite a system component.

Claims 1, 8, and 11 are rendered indefinite for reciting "programming language" or "target language" where the generated language is a procedural-oriented programming language. Claims 1, 8, and 11 are presently amended to recite that which was already

implicit, namely clarifying that the generated language is a procedural-oriented programming language.

Applicants submit that the claim elements are directed to achieving the functionality recited in the preamble, and do not require the additional step suggested by the Examiner. However, to advance prosecution, Applicants have amended claims 1, 8, and 22 to include claim elements to correspond to the preamble as suggested by the Examiner. In particular, claims 1 and 22 have been amended to recite a "functional model" and "generating procedural-oriented output source code from the functional model." Support for the amendment can be found throughout Applicant's Specification, in particular paragraph [0037]. Similarly, claim 8 has been amended to recite a "functional software model" and "generating procedural-oriented output source code in the at least one target language from the functional model"

Accordingly, Applicants respectfully request reconsideration and withdrawal of the 35 U.S.C. §112, first paragraph and second paragraph rejections of independent claims 1, 8, and 22 in light of the amendment made in accordance with the Examiner's suggestion. Applicants likewise request reconsideration and withdrawal of the 35 U.S.C. §112, first paragraph and second paragraph rejections of claims 2, 9, and 12-21, which were rejected for depending from claims 1, 8, and 22, and are likewise allowable for the reasons above.

**Claims 1, 4, 11, 12, 16, and 20-22**

Claims 1, 4, 11, 12, 16, and 20-22 stand rejected under 35 U.S.C. §112, second paragraph, for failing to particularly point out and distinctly claim the subject matter which Applicants regard as their invention. In particular, the Examiner suggests that the claims are indefinite for not specifying "procedural-oriented" with respect to the "programming languages" language recited in claims 1, 4, 8, and 11. Applicants have amended the claims accordingly, and therefore request reconsideration and withdrawal of claims 1, 4, 8, and 11, and the claims that depend from the independent claims, namely claims 12, 16, and 20-22.

## 35 U.S.C. §103 Rejection

**Claims 1, 2, 4, 8, 9, 11, 12, 15-20, and 22**

Claims 1, 2, 4, 8, 9, 11, 12, 15-20, and 22 stand rejected under 35 U.S.C. §103(a) as being unpatentable over U.S. Patent Pub. No. 2004/0031015 ("Ben-Romdhane") in view of U.S. Patent No. 6,651,246 ("Archambault") and U.S. Patent No. 5,675,801 ("Lindsey").
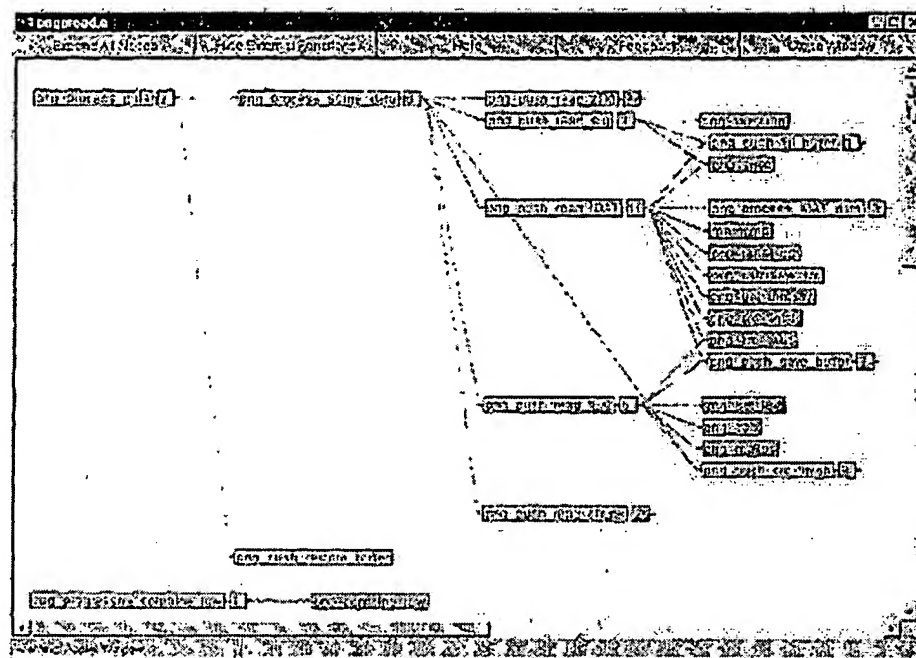
Claim 1 is directed to a system that generates procedural-oriented output source code from a functional model. A code block of procedural-oriented source code is input into a modeler, and the modeler defines at least one code element and structure of the code block, Then, the modeler generates a graphical representation of the code element and the structure of the code block." Claims 4, 8, 10, 11, and 22 recite similar claim elements.

The office action asserts that Ben-Romdhane discloses defining a plurality of code elements within the processed block of procedural-oriented programming code and specifies a structure of the processed block. The cited paragraph in Ben-Romdhane describes that a generator may extract the control flow, functional dependencies, and data dependencies from individual files of source code, and organize the files to create an informational model.

However, in contrast to the claims, Ben-Romdhane is directed to a hierarchy of multiple files of source code, where the relationships between files is generated to provide a structure for the various files of code.

In contrast, the claims are directed to the code within an individual code block, defining the code elements and structure of that code block and generating a graphical representation of the elements and structureo f that code block. While Ben-Romdhane organizes various files containing source code in a hierarchy, nowhere does Ben-Romdhane describe the analysis of a single code block. For example, Ben-Romdhane describes the organization of source files and shows an example in each of Figs. 9B and 9C, where Fig. 9C is duplicated below for exemplary purposes. Both Fig. 9B and 9C in Ben-Romdhane depict the example of a graphical representation of organizing source code files. For example, a source code file that performs the ping_process_data function is related to the ping_process_some_data function, and therefore a line is shown in the organized tree between the two source code file names.

**FIG. 9C**



However, as seen in Fig. 9C, the details of the individual source code blocks are not provided in any more detail but for the relationship between them in a tree view. Applicants submit that this organization, limited to that of the source files, does not teach defining the code elements *within* the block of procedural-oriented programming code.

Thus, Applicants submit that Ben-Romdhane does not teach a modeler for defining a plurality of code elements nor does Ben-Romdhane teach specifying a structure of a code block that includes those code elements. As such, Applicants submit that Ben-Romdhane does not teach a graphical representation of the code elements and the structure of the code block because Ben-Romdhane never reaches that level of detail in its organized view of soruce files. Rather, Ben-Romdhane is limited to the organization of the individual source files, not the organization of the code elements within the source files.

Neither of the other references, Archambault or Lindsey, cures the deficiences of Ben-Romdhane, and thus, the cited references do not teach or suggest the elements of claim 1. Independent claims 8 and 22 recite the same elements with respect to a method and computer-readable storage medium, respectively. Thus, Applicants submit that the cited references do not teach or suggest all of the elements of independent claims 8 or 22.

Accordingly, applicant respectfully requests withdrawal of the rejection of independent claims 1, 8, and 22, and the claims 2, 4, 10, 11, 17, 18, and 21 that depend therefrom, under 35 U.S.C. § 103(a).

### Claims 13 and 14

Claims 13 and 14 stand rejected under 35 U.S.C. §103(a) as being unpatentable over Ben-Romdhane in view of Archambault") and Lindsey and further in view of and U.S. Patent No. 6,684.385 ("Bailey"). Claims 13 and 14 depend indirectly from independent claim 1. Applicants submit that independent claim 1 is allowable for the reasons stated above, and Bailey does not cure the deficiencies of Ben-Romdhane discussed above. Accordingly, claims 13 and 14 that depend from claim 1 are likewise allowable and request withdrawal of the rejection of claims 13 and 14 under 35 U.S.C. § 103(a).

### CONCLUSION

For the foregoing reasons. Applicant respectfully submits that all of the claims of the present application patentably define over the prior art of record. Reconsideration of the Office Action and a Notice of Allowance are respectfully requested. In the event that the Examiner cannot allow the present application for any reason, the Examiner is encouraged to contact the undersigned attorney, Lori Swanson at (215) 564-8997 to discuss the resolution of any remaining issues.

Date: June 2, 2009                          /Lori Anne D. Swanson/
                                            Lori Anne D. Swanson
                                            Registration No. 59048

Woodcock Washburn LLP
Cira Centre
2929 Arch Street, 12th Floor
Philadelphia, PA 19104-2891
Telephone: (215) 568-3100
Facsimile: (215) 568-3439